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	Application No.	Applicant(s)
Notice of Allowability		
	10/676,612 Examiner	XIE ET AL. Art Unit
	PHUC T. DANG	2818
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31	(OR REMAINS) CLOSED in th ) or other appropriate communic (IGHTS. This application is subj	s application. If not included ation will be mailed in due course. <b>THIS</b>
1.   This communication is responsive to <u>amendment filed on</u>	<u>April 11, 2005</u> .	
2.  The allowed claim(s) is/are 1-6 and 9-14 (renumbered as	in new claims 1-12).	
3. $\boxtimes$ The drawings filed on <u>01 October 2003</u> are accepted by the	ne Examiner.	
<ul> <li>4. Acknowledgment is made of a claim for foreign priority of a) All b) Some* c) None of the:</li> <li>1. Certified copies of the priority documents have</li> <li>2. Certified copies of the priority documents have</li> <li>3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).</li> <li>* Certified copies not received:</li> </ul>	e been received. e been received in Application N	lo
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDON! THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		reply complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be subr INFORMAL PATENT APPLICATION (PTO-152) which give		
6. CORRECTED DRAWINGS ( as "replacement sheets") mu  (a) including changes required by the Notice of Draftsper  1) hereto or 2) to Paper No./Mail Date  (b) including changes required by the attached Examiner Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in  7. DEPOSIT OF and/or INFORMATION about the deprattached Examiner's comment regarding REQUIREMENT	son's Patent Drawing Review ( 's Amendment / Comment or in 1.84(c)) should be written on the o the header according to 37 CFR 1	the Office action of  Irawings in the front (not the back) of .121(d).  IAL must be submitted. Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Infor	mal Patent Application (PTO-152)
2.  Notice of Draftperson's Patent Drawing Review (PTO-948)		
<ul> <li>3.  Information Disclosure Statements (PTO-1449 or PTO/SB)         Paper No./Mail Date</li> <li>4.  Examiner's Comment Regarding Requirement for Deposit         of Biological Material</li> </ul>	08), 7. ⊠ Examiner's An	il Date nendment/Comment atement of Reasons for Allowance
		PD /
	PHUC T. DANG	Lango hur
PRIMARY EXAMINER		

**Examiner's Amendment** 

1. An Examiner's Amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R.

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the Issue Fee.

Authorization for this Examiner's Amendment was given in the telephone interview with

Himanshu S. Amin on April 25, 2005 as follows:

2. Claims 7-8 and 15-20 have been canceled.

Claims 1-6 and 9-14 are pending in the present application at this time for examination.

Claims 1-6 and 9-14 are renumbered as in new claims 1-12.

Examiner's Statement of Reasons for Allowance

3. Claims 1-6 and 9-14 are allowed.

4. The following is an examiner's statement of reasons for allowance:

With respect to claim 1, the prior art of record, taken alone or in combination, fails to teach

or reasonably suggests a method for fabricating an organic memory cell comprising growing a

passive layer within the depression; and applying an organic acid to a surface of the grown

passive layer, such that a substantially smooth surface texture is obtained, in combination with

the rest of the limitations of claim 1.

With respect to claim 9, the prior art of record, taken alone or in combination, fails to teach

or reasonably suggests a method for planarizing a CMP processed silver interconnect surface

Application/Control Number: 10/676,612 Page 3

Art Unit: 2818

comprising growing a passive layer comprising Ag<sub>2</sub>S within the void; such that a surface of the passive layer forms a protrusion out of the void, extending beyond the initial surface; and exposing the passive layer to an organic acid, in combination with the rest of the limitations of

claim 9.

5. Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submission should be clearly labeled "Comments on Statement of Reasons for

Allowance".

6. Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Phuc T. Dang whose telephone number is (571) 272-1776. The examiner

can normally be reached on 8:00 am-5:00 pm.

7. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

David C. Nelms can be reached on (571) 272-1787. The fax phone numbers for the organization

where this application or proceeding is assigned are 703-872-9306 for regular communications

and After Final communications.

8. Any inquiry of a general nature or relating to the status of this application or proceeding

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should be directed to the receptionist whose telephone number is 703-308-0956.

PP

Phuc T. Dang

**Primary Examiner** 

Art Unit 2818